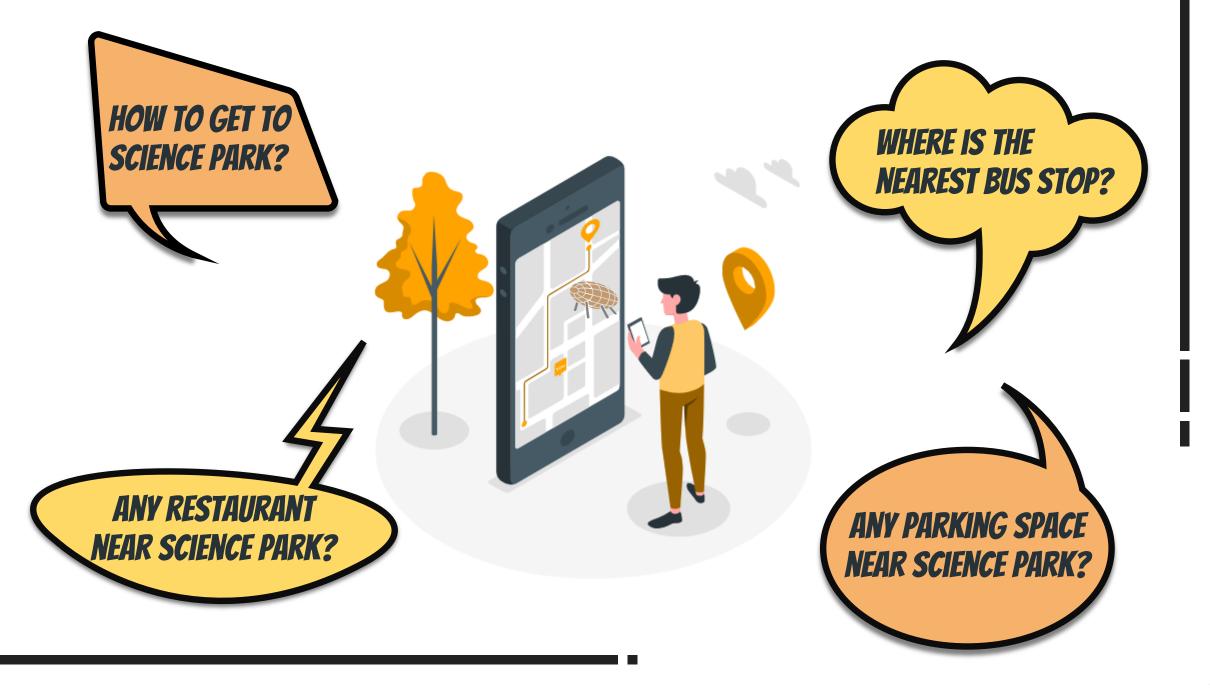
Open Spatial Data:
A Pillar to Support
Innovation and Analytics
開放空間數據:
支持創新和分析的支柱

Kenny YIU Senior Land Surveyor Lands Department



Do you know?

Over 80% data refers to location and their value can be greatly enhanced through geo-enabling and integration.







Data Alignment Measures (DAM) Digital 21 Strategy 2001 - e-Government Policy





Open Data Pilot Scheme













Digital 21 Strategy 2008 - Digital Inclusion





Open Data Policy



GeoData Store (Alpha Version of CSDI Portal)







Open Data Policy

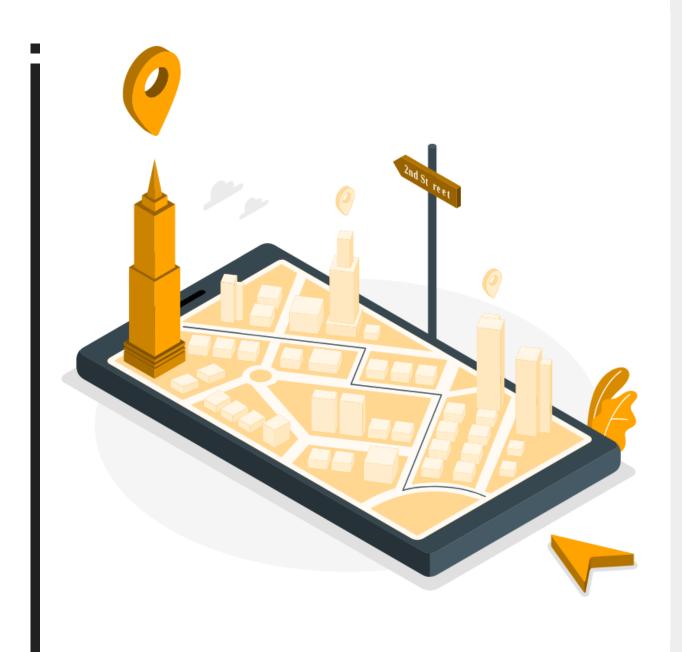




Building a Smarter City



Location is now the 4th driver in decision making, in addition to social, economic and environmental factors.



3D Pedestrian Network

Official released on 2 Dec 2020



Pedestrian Route Planning

土地供應政策意見書

《土地供應政策研究報告 -要推動副都市中心、及 香港 2050 策略規劃》

2018.09.14

吳永輝 (特首選委、城市規劃師) Howard Meng (研究助理/UC Berkley 實習生)

1. 要全面針對相關政策,不只於供應土地

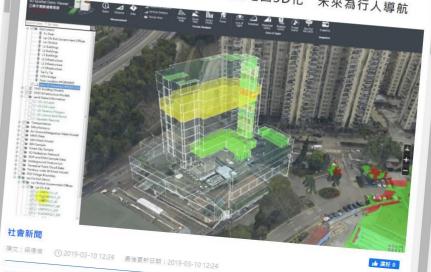
政府在土地供應大辯論正確指出港人居住的【費、細、擠】問題,但土地供應專 黄小组並沒有針對背後的成因提出長遠的解決方案,而只是局限於提出18個土 地供應運項。因此,本文件分析多個相關的因素及提出政策方向建議,供進一步

2. 只供應土地不能解決政經結構問題

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解決房屋問題,不能簡單地通過增加土地供應來解決,而更須從房屋政策著手。 【黄、细、排】問題其實是建基於經濟結構、人口成長、房屋需求、致府致策、 市場因素等的綜合問題,除了樓價高、租金貴、上車難之外,生活空間狭小擠迫、 社區設施不足、營商成本高企,這些都是現實的問題。香港樓價在過去數年持續 高企的思辨原因,其實是其於即低和點的管、數錄消人、排產過大等經濟因素。







政府推出開放數據新政策滿一年,共推出700多項 港鐵到站時間、實時泊車位空缺等。

2019年最受歡迎數據集包括交通情況快拍圖像、 響、天文台及地政總推出多項大眾關注的實時數據

000

○ ★ | 話題 | 健康 | 親子 | 娛樂 | 新聞

發展局申撥3億元 2023年前折

■ 社會 18:59 2019/06/20 **16 399 0**

熱門 保暖大法 超市大搜查 防敵 施政報告2020 目





▲ 發展局申請撥款3億元 · 發展均開動域

★ 選好 0



綸表示,發展局正聯同多個常用空間數據的政府 ,有關方面去年已就發展策略開展研究,期望 里位置資訊,推動空間數據共享,而地政總署則 +兩年時間便完成,屆時市民可以透過手機內的 確搜尋自己身處位置,以及前往目的地的路線

享平台 建全港行人



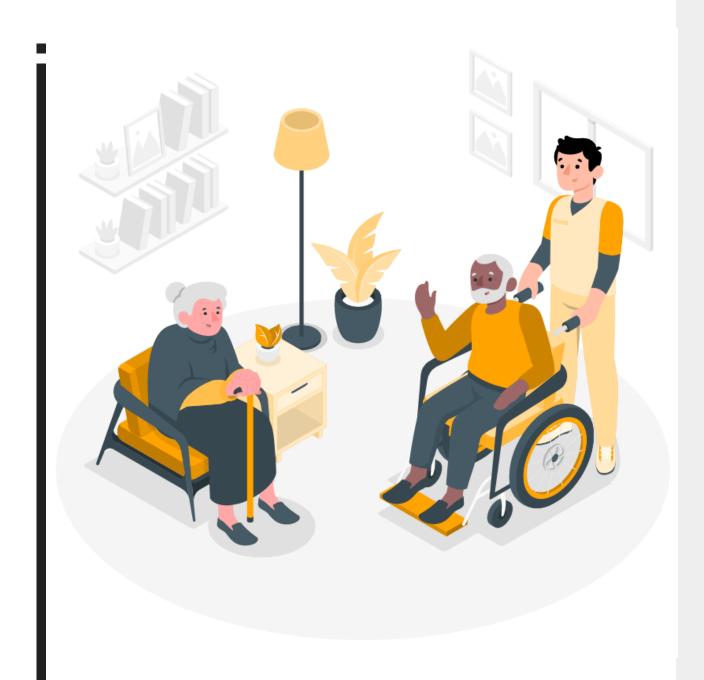


開放數據研究有助持續改進

ılı Like 0

2020年5月20日

莫乃光 專業議政



Elderly Service Planning





	Kwun Tong	Eastern	Wan Chai	Central & Western	Total	Sex	Age Group
Sha Shui F	62910 93987	79220 118354	48930 73101	27960 41772	233 000 348 100	M F	30-34
559 835	61263 89937	77146 113254	47649 69951	27228 39972	226 900 333 100	M F	35-39
544 799	64692 91773	81464 115566	50316 71379	28752 40788	239 600 339 900	M F	40-44
575(8157	69741 89316	87822 112472	54243 69468	30996 39696	258 300 330 800	M F	45-49
6199 7939	83754 94176	105468 118592	65142 73248	37224 41856	310 200 348 800	M F	50-54
74448 83712	78732 80811	404700	61236 62853	34992 35916	291 600 299 300	M F	55-59
69984 71832	61479 62910	77418 79220	47817 48930	_	227 700 233 000	M F	60-64
54648 55920	44037 44118	55454 55556	34251 34314	19572 19608	163 100 163 400	M F	65-69
39144 39216	29646 27540	37332 34680	23058 21420	13176 12240	109 800 102 000	M	70-74
26352 24480	27027 29538	34034 37196	21021 22974	12012 13128	100 100 109 400	M F	75-79
24024 26256	19845 24732	24990 31144	15435 19236	8820	73 500 91 600	M F	80-84
17640 21984	13635 27675	17170 34850	10605 21525	6060	50 500 102 500	M F	>= 85
12120 24600				12300	102 000		

Elderly Service Planning

Sham Shui Po

83544

79944

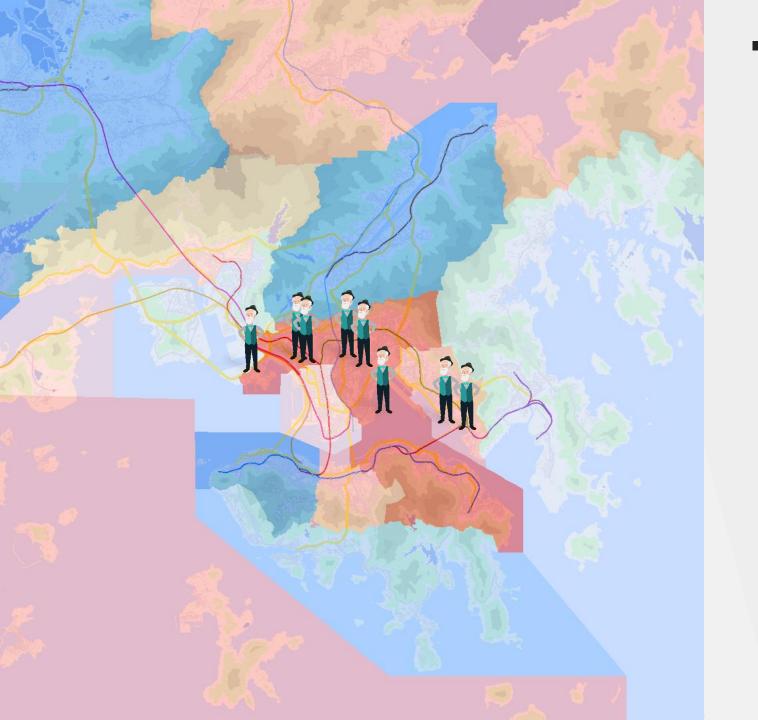
81576

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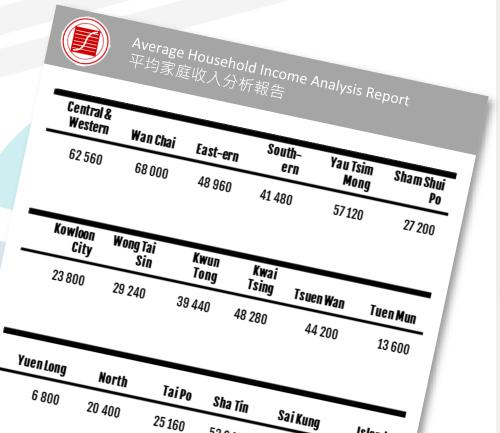
Identifying Districts with Larger Ageing Population





Elderly Service Planning

Identifying Districts with Larger Ageing Population



Elderly Service Planning

Identifying Districts with Lower Household Income



25 160

53 ₀₄₀

48 960

Islands

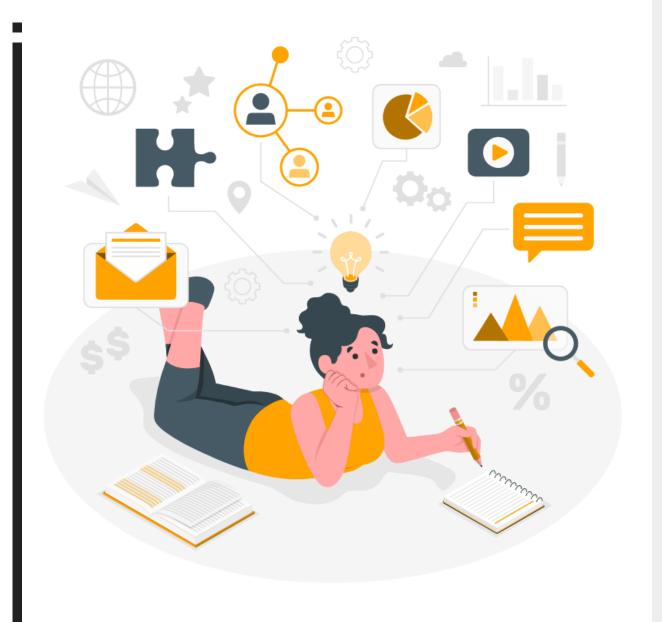
8 160



Elderly Service Planning

Identifying Districts with Larger Ageing Population and

Lower Household Income



Benefits of Open Spatial Data

Smart Economy Create US\$40 billions from geospatial services



Smart Environment

Reduce 1,688 million metric tonnes CO_2 emission from cars

Smart Government

Increase 10-40% efficiency by improving data standards

Smart Living



Smart Mobility

Reduce travel time by 12% on average

Smart People









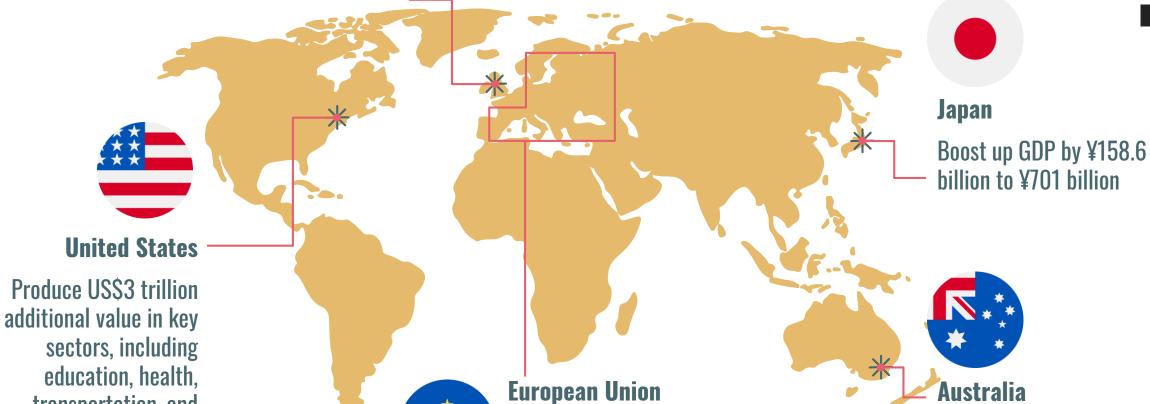






United Kingdom

270 open data companies across UK, with a combined annual turnover of £92 billion



Sources: EU (2020), ODI (2016), Tanaka & Takagi (2016), Guren et al. (2014), the White House (2014), Yam (2013)

transportation, and

electricity

Market size for goods and services from open data reaches €184 billion

Create 25,000 direct geo-spatial related jobs

Create AU\$25 billion direct and indirect value in driving social and economic innovation

What is HK's situation?

Singapore **Japan**

HONG KONG

South Korea

Taiwan
Malaysia
Mainland China
India
Thailand
Philippines
Indonesia



Overall Score

Asian Digital Transformation Index 2018









二零一七施政報告 2017 Policy Address



Launch of Hong Kong GeoData Store (Alpha Version of CSDI)



The Government of the Hong Kong Special Administrative Region

Press Releases

GovHK 香港政府一站通 繁體版 简件版 Revamped GeoInfo Map and new Hong Kong GeoData Store facilitate smart city

The Lands Department (LandsD) today (December 10) launched the revamped GeoInfo Map (www.map.gov.hk) and the new Hong Kong GeoData Store (geodata.gov.hk). The services will enhance public access to the Government's web

map service, and enable public discovery and application of geospatial data published by the Government in a systematic manner for various innovation and information technology applications, so as to facilitate smart city development and geospatial The GeoInfo Map is a web map service launched by the Survey and Mapping data applications. Office of the LandsD in May 2010. It provides free and convenient public access to accurate maps of Hong Kong, as well as providing the location and related information of various public facilities and services. Since its launch, the LandsD has been working closely with 29 government departments for the delivery of up-to-date map services and geospatial data to the public, and the geospatial data provided through the GeoInfo Map has been enhanced from 120 to 270 types of public

In future, as the Government is developing the CSDI, the LandsD will continue facilities. making new geospatial datasets related to the city's built environment and facilities, as well as improving access to various open data of public services through the Hong Kong GeoData Store in both machine-readable downloadable data and APIs. We will continue to enrich the coverage and content of the CSDI, so as to allow various industries to make more and better use of spatial data in support of smart city development, realising the vision of the Hong Kong Smart City Blueprint.

A spokesman for the LandsD said that continued enhancement of quality digital map services, development of the CSDI, and opening up more geospatial data all contribute to facilitating smart city applications in collaboration with the public and private sectors, helping to reap the potential benefits by creating economic and social values. Looking forward, the LandsD will continue to collaborate with government departments and various public and private sector organisations to progressively that men condees and introduce more deospatial data, so as to support

空間數據共享平台

Why do we need data standard?

Different people may have different way of presenting and recording information

PUBLIC SERVICE ANNOUNCEMENT:

OUR DIFFERENT WAYS OF WRITING DATES AS NUMBERS CAN LEAD TO ONLINE CONFUSION. THAT'S WHY IN 1988 ISO SET A GLOBAL STANDARD NUMERIC DATE FORMAT.

THIS IS THE CORRECT WAY TO WRITE NUMERIC DATES:

2013-02-27

THE FOLLOWING FORMATS ARE THEREFORE DISCOURAGED:

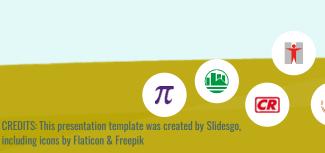
02/27/2013 02/27/13 27/02/2013 27/02/13 20130227 2013.02.27 27.02.13 27-02-13 27.2.13 2013. II. 27. $^{27}\!\!\!/_2$ -13 2013.158904109 MMXIII-II-XXVII MMXIII $^{\text{LVII}}_{\text{CCCLXV}}$ 1330300800 ((3+3)×(111+1)-1)×3/3-1/3³ 2013 12/37 10/11011/1101 02/27/20/13 $^{23}_{0}$ 1 $^{23}_{0}$ 1 $^{23}_{0}$ 2 $^{23}_{0}$ 1 $^{23}_{0}$ 2 $^{23}_{0}$ 10/11011/1101 02/27/20/13 $^{23}_{0}$ 1 $^{23}_{0}$ 2

Source: https://xkcd.com/1179/



"Every Skyscraper is Built on a Strong Foundation of Pillars"















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